

This review package can be completed as we work through the chapter or at the latest the night before the review class for the chapter test. Use it as an on-going review or as a study booklet right before the test. The answers will be posted during the review class before the chapter test.

For the given table,

Teacher	Subject
Ms. Wright	English
Mr. Bloomer	Physics
Mr. Talbot	Math
Ms. Gregoire	Chemistry
Ms. Petula	Math

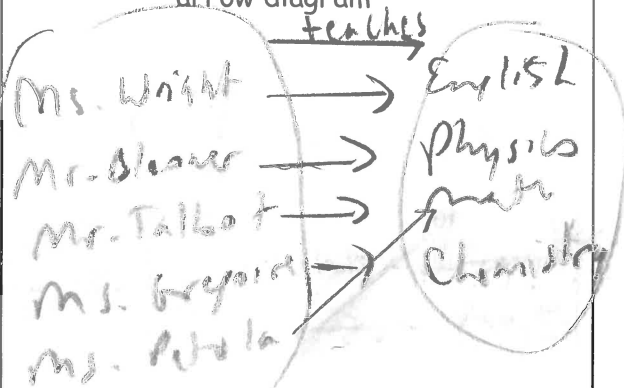
a) describe the relation in words

The relation shows the association "teachers" for the set of teachers and the set of subjects.

b) represent the relation as a set of ordered pairs

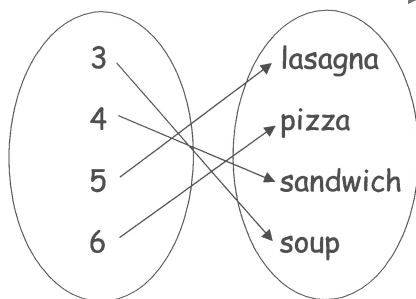
$\{(Ms. Wright, English), (Mr. Bloomer, Physics), (Mr. Talbot, Math), (Ms. Gregoire, Chemistry), (Ms. Petula, Math)\}$

c) represent the relation as an arrow diagram



Represent this relation given in the arrow diagram below in two different ways.

is the number of lunches brought



set of ordered pairs

$\{(3, soup), (4, sandwich), (5, lasagna), (6, pizza)\}$

table

number, n	lunch type, l
3	soup
4	sandwich
5	lasagna
6	pizza

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For the relation below:

$$\{(-3, -1), (-3, 3), (2, 3), (4, 0), (5, 0)\}$$

(The domain element  $-3$  has more than one range element)  
it has more y.

a) Is it a function? (circle one):      yes      no

b) State the domain:  $\{-3, 2, 4, 5\}$

c) State the range:  $\{-1, 3, 0\}$

For the function  $f(x) = -3x + 5$ , determine

a)  $f(0)$

$$f(0) = -3(0) + 5$$

$$f(0) = 5$$

b)  $f(-2)$

$$f(-2) = -3(-2) + 5$$

$$= 6 + 5$$

$$f(-2) = 11$$

c)  $f(1)$

$$f(1) = -3(1) + 5$$

$$= -3 + 5$$

$$f(1) = 2$$

For the function  $P(n) = 2n - 7$ , determine  $n$  when

a)  $P(n) = 5$

$$5 = 2n - 7$$

$$+7 \quad +7$$

$$12 = 2n$$

$$\frac{12}{2} = \frac{2n}{2}$$

$$6 = n$$

b)  $P(n) = 31$

$$31 = 2n - 7$$

$$+7 \quad +7$$

$$38 = 2n$$

$$\frac{38}{2} = \frac{2n}{2}$$

$$19 = n$$